Real Estate Economics / Volume 22, Issue 2 / pp. 347-366

Risk and the Home Equity Conversion Mortgage

Edward J. Szymanoski Jr.

First published: June 1994

https://doi.org/10.1111/1540-6229.00637

Abstract

This article analyzes the risks involved with reverse mortgage insurance and explains the pricing model developed for the Home Equity Conversion Mortgage (HECM) demonstration. The paper demonstrates how borrower longevity, interest rates and property value changes all affect pricing, and why the HECM model focuses on property value as the primary source of uncertainty. It goes on to explain why a random walk specification was chosen to forecast property values, and how the principal limit factors, which determine cash payments to borrowers in the HECM program, are calculated.

Borch, K.H. 1990. Economics of Insurance, North-Holland. Google Scholar Case, K.E. and R.J. Shiller. 1989. The Efficiency of the Market for Single-Family Homes. The American Economic Review 79: 125-37. Web of Science Google Scholar Google Scholar Cunningham, D.F. and P.H. Hendershott. 1984. Pricing FHA Mortgage Default Insurance. Housing Finance

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising. You may change your settings at any time or accept the default settings. You may close this banner to continue with only essential cookies. <u>Privacy Policy</u>



Gau G.W. 1987. Efficient Real Estate Markets: Paradox or Paradigm? <i>Journal of the American Real Estate and Urban Economics Associaiton</i> 15 : 1–12.
Google Scholar ☑
Kau, J.B., D.C. Keenan and W.J. Muller, III. 1993. An Option-Based Pricing Model of Private Mortgage Insurance. <i>The Journal of Risk and Insurance</i> 60 : 288–99.
Web of Science® ☑ Google Scholar ☑
Malliaris, A.G. and W.A. Brock. 1982. <i>Stochastic Methods in Economics and Finance</i> . North-Holland . Google Scholar
Parzen, E. 1960. <i>Modern Probability Theory and Its Application</i> . John Wiley and Sons. Google Scholar
Ross, S.M. 1983. <i>Stochastic Processes</i> . John Wiley and Sons. Google Scholar
Szymanoski, E.J., Jr. 1990. The FHA Home Equity Conversion Mortgage Insurance Demonstration: A Model to Calculate Borrower Payments and Insurance Risk. U.S. Department of Housing and Urban Development. Google Scholar
U.S. Department of Housing and Urban Development. 1990. Home Equity Conversion Mortgage Insurance Demonstration: Interim Report to Congress. Google Scholar
U.S. Department of Housing and Urban Development. 1992. <i>Preliminary Evaluation of the Home Equity Conversion Mortgage Insurance Demonstration</i> .
This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising. You may change your settings at any time or accept the default settings. You may close this banner to continue with only essential cookies. Privacy Policy .
Manage Preferences
Accept All
Reject Non-Essential

ABOUT WILEY ONLINE LIBRARY

Privacy Policy

Terms of Use

About Cookies

Manage Cookies

Accessibility

Wiley Research DE&I Statement and Publishing Policies

HELP & SUPPORT

Contact Us
Training and Support
DMCA & Reporting Piracy
Sitemap

OPPORTUNITIES

Subscription Agents
Advertisers & Corporate Partners

CONNECT WITH WILEY

The Wiley Network
Wiley Press Room

Copyright © 1999-2025 John Wiley & Sons, Inc or related companies. All rights reserved, including rights for text and data mining and training of artificial intelligence technologies or similar technologies.

WILEY

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising. You may change your settings at any time or accept the default settings. You may close this banner to continue with only essential cookies. Privacy Policy

Manage Preferences

Accept All

Reject Non-Essential